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Years 11 and 12

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Year 10 SyllabusTest

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Year Level Description

Filters



Show/Hide Curriculum

- ☒ Year level descriptors
- ☒ Content Descriptions
- ☒ Achievements Standards
- ☒ Icons

Year Levels

- ☒ Select All

Strands

- ☒ Select All
- ☒ Science Inquiry Skills
- ☒ Science as a Human Endeavour
- ☒ Science Understanding

General Capabilities

- ☒ Select All
- ☒ Literacy
- ☒ Numeracy
- ☒ Information and Communication Technology (ICT) capability

Year 10 Syllabus

Year Level Description

The science inquiry across a two-year band of expectations outlines science understandings and strands are addressed are interrelated and detail in which the programs are designed

Incorporating the

In the Year 10 curriculum microscopic and macroscopic the biological, chemical such as the theories

Students develop their understanding within the periodic table applying physical laws to living, physical and scale and this enables these systems.

Science Understanding

- ✔ Critical and creative thinking
 - ✔ Personal and social capability
 - ✔ Ethical understanding
 - ✔ Intercultural understanding
-
-

BIOLOGICAL SCIENCES

Transmission of her characteristics from generation to the n involves DNA and g ([ACSSU184](#))

The theory of evolu by natural selection explains the diversi living things and is supported by a rang scientific evidence ([ACSSU185](#))

CHEMICAL SCIENCES

The atomic structur properties of eleme are used to organis them in the Periodic Table ([ACSSU186](#))

Different types of chemical reactions used to produce a r of products and car occur at different ra ([ACSSU187](#))

EARTH AND SPACE SCIENCE

The universe contains features including galaxies, stars and solar systems, and the Big Bang theory can be used to explain the origin of the universe [\(ACSSU190\)](#)

Global systems, including the carbon cycle, rely on interactions involving the biosphere, lithosphere, hydrosphere and atmosphere [\(ACSSU190\)](#)

PHYSICAL SCIENCES

Energy conservation in a closed system can be explained by describing energy transfers and transformations [\(ACSSU190\)](#)

The motion of objects can be described and

predicted using the
of physics [\(ACSSU2](#)

Year 10 Achieve

Science Understa

At Standard, students to make predictions reactions are used influence the rate of and acceleration to concept of energy of within systems. Students between Earth's space explain the origin of the processes that

Science as a Human Endeavour

Students analyse human

Science Inquiry Skills

Students develop question appropriate methods reliability, safety, fairness data, selecting evidence of uncertainty. They sources with reference arguments and select

The science inquiry skills and science as a human endeavour strands in schools and teachers refer to the expectations outlined in the appropriate understanding strand for the relevant year level to ensure that the three strands of the curriculum are interrelated and their content

the content descriptions are organised into teaching and learning

Incorporating the key ideas of science

In the Year 10 curriculum students explore systems at different scales and explain phenomena. Students explore the biological, chemical, and physical theories of natural selection and the Big Bang.

Students develop their understanding of atomic theory to understand that motion and forces are related by applying physical laws. They explore the physical and chemical world that are applied to systems on a local scale and how changes will affect equilibrium within these systems.

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